

PROCEEDINGS  
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BIRD MIGRATION IN THE DISTRICT OF COLUMBIA.

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Five years ago an article was published in these Proceedings under the above title, giving a summary of the data at that time available on the movements of the birds in the District of Columbia. The last five years have been marked by great activity in bird study. During each of these years notes on migration have been contributed by more than twenty-five persons, connected for the most part with the Biological Survey or with the very flourishing local Audubon Society. The following table is based on these notes in addition to those already published, making a total of more than thirty-five years of observations. The first part of the table contains 98 species, which occur regularly in the District each year, arranged chronologically in the order of their arrival; to these is added a list of 9 species, visitors from the north, which are more or less common in the District during the winter, arranged in the order of their departure. This is followed by a list of 41 species that occur in the District throughout the whole year. The three lists comprise a total of 148 species which constitute the regular bird population of the District, and most of which are common enough to be expected in the yearly list of any good observer.

The District of Columbia in an ornithological sense includes the country within a radius of ten miles of the Capitol, but this limit has been exceeded to include notes taken at the Great Falls of the Potomac. No addition has been made to the bird list of this area during the past five years and the total still

stands at 293 species. Among the notable occurrences of rare visitors may be mentioned the Prothonotary Warbler at Dyke, Va., April 30–May 2, 1911; Pine Siskin, near Bennings, April 6, 1912; Bachman Sparrow, one all the summer of 1912 near Lanham, Md.; Olive-sided Flycatcher, May 9, 1912; King Rail, eggs May 30, 1910, near Long Bridge; Black Rail, near Bennings Bridge, September 1, 1908; American Bittern, at Dyke, April 8, 1911, and April 21, 1912; American Egret, at Anacostia, first three weeks of August, 1912; Little Blue Heron, several July 29 and September 24, 1911, near Anacostia. In addition to the records of the Philadelphia Vireo already given, it has been noted May 17, 1888; May 29, 1897; September 22, 1889; September 16, 1894; September 15, 1895; September 8, 10, 15, and 20, 1896, and September 14, 1899.

SPRING MIGRATION IN THE DISTRICT OF COLUMBIA.

Species.	Average date of spring arrival.	Earliest date of spring arrival.	Average date of the last one seen.	Latest date of the last one seen.
Purple Grackle . . . . .	Feb. 20	Rare, winter	Breeds	
Woodcock . . . . .	March 2	Feb. 14, 1884	Breeds	
Red-winged Blackbird . . . . .	" 2	Rare, winter	Breeds	
Killdeer . . . . .	" 6	Feb. 14, 1908	Breeds	
Hermit Thrush . . . . .	" 9	Rare, winter	May 3	May 17, 1902
Phoebe . . . . .	" 10	Jan. 10, 1909	Breeds	
Fox Sparrow . . . . .	" 12	Rare, winter	April 6	May 11, 1882
Wilson Snipe . . . . .	" 15	Mar. 9, 1894	May 2	May 11, 1907
Flicker . . . . .	" 16	Rare, winter	Breeds	
White-throated Sparrow . . . . .	" 18	Rare, winter	May 19	June 11, 1899
Cowbird . . . . .	" 20	Rare, winter	Breeds	
Savannah Sparrow . . . . .	" 21	Rare, winter	May 4	May 11, 1885
Pipit . . . . .	" 21	Feb. 16, 1908		May 11, 1910
Mourning Dove . . . . .	" 21	Rare, winter	Breeds	
Vesper Sparrow . . . . .	" 21	Rare, winter	April 5	Rare, sum'r
Kingfisher . . . . .	" 25	Rare, winter	Breeds	
Chipping Sparrow . . . . .	" 26	Mar. 9, 1902	Breeds	
Chewink . . . . .	" 26	Rare, winter	Breeds	
Myrtle Warbler . . . . .	" 30	Rare, winter	May 12	May 23, 1903
Purple Martin . . . . .	" 31	Mar. 9, 1908	Breeds	

species.	Average date of spring arrival.	Earliest date of spring arrival.	Average date of the last one seen.	Latest date of the last one seen.
Pine Warbler . . . . .	March 31	Mar. 6, 1910	Breeds	
Great Blue Heron . . . . .	April 3	Jan. 5, 1913		June 23, 1907
Brown Thrasher . . . . .	" 3	Mar. 22, 1908	Breeds	
Louisiana Water Thrush . . . . .	" 5	April 1, 1910	Breeds	
Blue-gray Gnatcatcher . . . . .	" 7	Mar. 30, 1907	Breeds	
Tree Swallow . . . . .	" 7	Mar. 26, 1887	May 12	May 26, 1889
Ruby-crowned Kinglet . . . . .	" 8	Rare, winter	May 6	May 15, 1885
Yellow Palm Warbler . . . . .	" 9	Mar. 31, 1889	April 26	May 1, 1892
Rough-winged Swallow . . . . .	" 9	Mar. 31, 1912	Breeds	
Yellow-throated Warbler . . . . .	" 11	April 5, 1910	Breeds	
Swamp Sparrow . . . . .	" 12	Rare, winter	May 12	May 19, 1859
Osprey . . . . .	" 12	Mar. 19, 1905	Breeds	
Barn Swallow . . . . .	" 13	Mar. 30, 1890	Breeds	
Black and White Warbler . . . . .	" 14	April 8, 1888	Breeds	
Upland Plover . . . . .	" 15	Mar. 21, 1896		April 21, 1890
Chimney Swift . . . . .	" 17	April 6, 1905	Breeds	
Solitary Vireo . . . . .	" 18	April 6, 1905	May 9	May 18, 1896
Henslow Sparrow . . . . .	" 18	April 10, 1889	Breeds	
House Wren . . . . .	" 18	Mar. 26, 1910	Breeds	
Green Heron . . . . .	" 19	April 9, 1905	Breeds	
Whippoorwill . . . . .	" 19	April 8, 1909	Breeds	
Spotted Sandpiper . . . . .	" 19	April 2, 1905	Breeds	
Bank Swallow . . . . .	" 20	April 13, 1904	Breeds	
Ovenbird . . . . .	" 20	April 10, 1904	Breeds	
Yellow Warbler . . . . .	" 21	April 4, 1862	Breeds	
Grasshopper Sparrow . . . . .	" 21	April 16, 1912	Breeds	
Maryland Yellowthroat . . . . .	" 21	April 13, 1891	Breeds	
Prairie Warbler . . . . .	" 21	April 12, 1883	Breeds	
White-eyed Vireo . . . . .	" 22	April 10, 1912	Breeds	
Redstart . . . . .	" 22	April 15, 1877	Breeds	
Catbird . . . . .	" 22	Mar. 19, 1905	Breeds	
Parula Warbler . . . . .	" 23	April 17, 1912	Breeds	
Wood Thrush . . . . .	" 23	April 18, 1909	Breeds	
Yellow-throated Vireo . . . . .	" 24	April 17, 1912	Breeds	
Red-eyed Vireo . . . . .	" 26	April 21, 1895	Breeds	
Solitary Sandpiper . . . . .	" 28	April 24, 1909	May 16	May 21, 1906

Species.	Average date of spring arrival.	Earliest date of spring arrival.	Average date of the last one seen.	Latest date of the last one seen.
Black-throated Green Warbler . . .	April 29	April 22, 1905	May 16	May 30, 1907
Kingbird . . . . .	" 29	April 18, 1896	Breeds	
Northern Water-Thrush . . . . .	" 29	April 22, 1894	May 25	June 2, 1907
Great-crested Flycatcher . . . . .	" 29	April 20, 1896	Breeds	
Chat . . . . .	" 30	April 16, 1876	Breeds	
Hooded Warbler . . . . .	" 30	April 19, 1896	Breeds	
Scarlet Tanager . . . . .	" 30	April 17, 1896	Breeds	
Indigo Bunting . . . . .	" 30	April 25, 1908	Breeds	
Warbling Vireo . . . . .	May 1	April 21, 1895	Breeds	
Wilson Thrush . . . . .	" 1	April 26, 1896	May 18	June 2, 1907
Marsh Wren . . . . .	" 1	April 15, 1896	Breeds	
Cliff Swallow . . . . .	" 1	April 10, 1887	May 13	June 7, 1877
Hummingbird . . . . .	" 1	April 16, 1912	Breeds	
Black-throated Blue Warbler . . .	" 1	April 19, 1896	May 20	May 30, 1888
Summer Tanager . . . . .	" 1	April 18, 1896	Breeds	
Least Flycatcher . . . . .	" 2	April 20, 1881	May 15	May 20, 1904
Worm-eating Warbler . . . . .	" 2	April 25, 1908	Breeds	
Orchard Oriole . . . . .	" 2	April 25, 1908	Breeds	
Baltimore Oriole . . . . .	" 2	April 24, 1912	Breeds	
Bobolink . . . . .	" 2	April 26, 1896	May 20	May 30, 1877
Chestnut-sided Warbler . . . . .	" 2	April 19, 1902	May 24	May 30, 1891
Nighthawk . . . . .	" 3	April 19, 1891	May 24	Rare, sum'r
Golden-winged Warbler . . . . .	" 3	April 30, 1910	May 15	Rare, sum'r
Kentucky Warbler . . . . .	" 3	April 29, 1906	Breeds	
Blackburnian Warbler . . . . .	" 3	April 30, 1905	May 21	June 3, 1907
Nashville Warbler . . . . .	" 1	April 29, 1885	May 15	May 19, 1887
Rose-breasted Grosbeak . . . . .	" 4	May 1, 1907	May 16	May 30, 1907
Olive-backed Thrush . . . . .	" 4	April 19, 1896	May 22	June 2, 1907
Blue-winged Warbler . . . . .	" 4	April 26, 1891	May 22	Rare, sum'r
Wood Pewee . . . . .	" 5	April 29, 1900	Breeds	
Blue Grosbeak . . . . .	" 5	May 1, 1878	Breeds	
Black-poll Warbler . . . . .	" 5	April 28, 1860	June 1	June 16, 1907
Magnolia Warbler . . . . .	" 6	April 22, 1891	May 25	May 31, 1909
Acadian Flycatcher . . . . .	" 6	April 29, 1845	Breeds	
Cape May Warbler . . . . .	" 6	May 1, 1893	May 16	May 20, 1882
Canadian Warbler . . . . .	" 6	May 3, 1908	May 24	June 2, 1907

Species.	Average date of spring arrival.	Earliest date of spring arrival.	Average date of the last one seen.	Latest date of the last one seen.
Yellow-billed Cuckoo . . . . .	May 7	May 3, 1907	Breeds	
Black-billed Cuckoo . . . . .	" 7	May 2, 1908	Breeds	May 30, 1910
Wilson Warbler . . . . .	" 8	May 1, 1876	May 23	May 31, 1897
Gray-checked Thrush . . . . .	" 10	May 7, 1912	May 27	May 27, 1888
Bay-breasted Warbler . . . . .	" 11	May 2, 1896	May 20	May 30, 1891
Yellow-bellied Flycatcher . . . . .	" 11	May 9, 1902	May 26	May 28, 1893
Alder Flycatcher . . . . .	" 15	May 8, 1906	May 21	May 30, 1907
Mourning Warbler . . . . .	" 17	May 6, 1896	May 26	
WINTER RESIDENTS.				
Tree Sparrow . . . . .			Mar. 26	April 2, 1909
Rusty Grackle . . . . .			April 12	April 30, 1875
Golden-crowned Kinglet . . . . .			April 13	April 27, 1888
Yellow-bellied Sapsucker . . . . .			April 11	May 13, 1905
Winter Wren . . . . .			April 26	May 1, 1882
Brown Creeper . . . . .			April 27	May 1, 1907
Junco . . . . .			April 30	May 17, 1908
Red-breasted Nuthatch . . . . .			May 1	May 12, 1889
Purple Finch . . . . .			May 9	May 26, 1907

## PERMANENT RESIDENTS.

The following species occur in the District throughout the entire year:

Bluebird*	Pileated Woodpecker (rare)
Robin*	Downy Woodpecker
Carolina Chickadee	Hairy Woodpecker (rare)
Tufted Titmouse	Great Horned Owl
White-breasted Nuthatch	Screech Owl
Carolina Wren	Barred Owl
Mockingbird (rare)	Long-eared Owl
Migrant Shrike†	Barn Owl
Cedarbird	Sparrow Hawk
Cardinal	Bald Eagle
Song Sparrow	Broad-winged Hawk
Field Sparrow*	Red-shouldered Hawk
Goldfinch	Red-tailed Hawk
Red Crossbill†	Cooper Hawk
Meadowlark*	Sharp-shinned Hawk
Fish Crow	Marsh Hawk†
Common Crow	Turkey Vulture
Blue Jay	Ruffed Grouse (rare)
Red-bellied Woodpecker (rare)	Bob-white
Red-headed Woodpecker*	Night Heron*
	Wood Duck*

\* Rare in winter. † Rare in summer.

